



NCR: Yes / No

DQA: Date:

## **WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: Date:

| Work Order: _____            |                |                                 | DISPOSITION                                       |  |  | AGAINST DEPARTMENT/PROCESS                                       |                                 |              |              |  |  |
|------------------------------|----------------|---------------------------------|---|--|--|--|---------------------------------|--------------|--------------|--|--|
|                              |                |                                 | Rework<br>Scrap<br>Use-as-is<br>Work Order Update | Skid-tube<br>Machining<br>Thermoforming<br>Large Fab | Crosstube<br>Small Fab<br>Finishing<br>Composite | Water Jet<br>Prod. Eng. Coor.<br>Rec/Store/Packaging<br>Supplier | Engineering<br>Quality<br>Other |              |              |  |  |
| Part No. _____               |                |                                 |   |  |  |  |                                 |              |              |  |  |
| NCR No. _____                |                |                                 |   |  |  |  |                                 |              |              |  |  |
| Root Cause                   | Date           | Step                            | Qty   | Description of work order update or Non-conformance  | Initial Chief Eng                                | Action Description   | Sign & Date                     | Verification | QC Inspector |  |  |
| Doc/Data                     |                |                                 |   |  |  |  |                                 |              |              |  |  |
| Equip/Tooling                |                |                                 |   |  |  |  |                                 |              |              |  |  |
| Operator                     |                |                                 |   |  |  |  |                                 |              |              |  |  |
| Material                     |                |                                 |   |  |  |  |                                 |              |              |  |  |
| Setup                        |                |                                 |   |  |  |  |                                 |              |              |  |  |
| Other                        |                |                                 |   |  |  |  |                                 |              |              |  |  |
| Process                      |                |                                 |   |  |  |  |                                 |              |              |  |  |
| Supplier                     |                |                                 |   |  |  |  |                                 |              |              |  |  |
| Training                     |                |                                 |   |  |  |  |                                 |              |              |  |  |
| Unapproved                   |                |                                 |   |  |  |  |                                 |              |              |  |  |
| FAULT CATEGORY               |                |                                 |   |  |  |  |                                 |              |              |  |  |
| Landing Gear                 |                |                                 |   | General  |  |  |                                 |              |              |  |  |
| Bending                      | Bend           | Grain                           | Ovalized  | Pressure/Forced                                      |  |  |                                 |              |              |  |  |
| Centre Not Concentric to O/S | BOM/Route      | Hardware                        | Over/Under tolerance                              | Temperature/Cure                                     |  |  |                                 |              |              |  |  |
| Cracks                       | Broken/Damaged | Inspection Incomplete           | Part Incorrect                                    | Weld   |  |  |                                 |              |              |  |  |
| Crushed/Crimped.             | Burrs          | Instructions Incomplete/Unclear | Part Lost/Missing                                 | Wrong Stock Pulled                                   |  |  |                                 |              |              |  |  |
| Cuffs                        | Contamination  | Maintenance                     | Part Moved  |  |  |  |                                 |              |              |  |  |
| Heat Treat                   | Countersink    | Mislabeled                      | Positioned Wrong                                  |  |  |  |                                 |              |              |  |  |
| Inspection Strip in Tube     | Cut Too Short  | Misread                         | Power Loss/Surge                                  |  |  |  |                                 |              |              |  |  |
| Ripples in Bend              | Drill Holes    | Offset                          |   |  |  |  |                                 |              |              |  |  |
| Torque Waves in Extrusion    | Drawing        | Out of Calibration              |   |  |  |  |                                 |              |              |  |  |
| Turning Sequence             | Finish         | Out of Sequence                 |   |  |  |  |                                 |              |              |  |  |
| Wave/Twist in Tube           | Folio          | Outside Dimensions              |   |  |  |  |                                 |              |              |  |  |

**Work Order ID 97656****\*97656\***

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|                |                           |            |                     |            |               |              |              |
|----------------|---------------------------|------------|---------------------|------------|---------------|--------------|--------------|
| Item ID:       | D3912-041                 | Accept     | <b>*N900040100*</b> | Setup      | Start         | <b>*NS1*</b> |              |
| Revision ID:   |                           |            |                     |            | Stop          | <b>*NS2*</b> |              |
| Item Name:     | Eyebolt Receiver Assembly |            |                     |            |               |              |              |
| Start Date:    | 2/26/13                   | Start Qty: | 5.00                | <b>*5*</b> | Cust Item ID: |              |              |
| Required Date: | 3/08/13                   | Req'd Qty: | 5.00                | <b>*5*</b> | Customer:     |              |              |
| Reference:     |                           |            |                     |            |               |              |              |
| Approvals:     | Process Plan:             | Date:      | Tooling:            | Date:      | Run           | Start        | <b>*NR1*</b> |
|                | QC:                       | Date:      | SPC (Y/N):          | Date:      | Stop          |              | <b>*NR2*</b> |

| Sequence ID/<br>Work Center ID   | Operation<br>Description                    | Memo | Set Up/<br>Run Hours | Tool ID | Tool # | Plan<br>Code | Accept<br>Qty | Reject<br>Qty | Reject<br>Number | Insp.<br>Stamp      |
|----------------------------------|---|------|----------------------|---------|--------|--------------|---------------|---------------|------------------|---------------------|
| 170<br><b>*170*</b><br>Packaging | Identify as per dwg & Stock Location:       |      | 0.00                 |         |        |              |               |               |                  | <i>1/8/13/8 (5)</i> |
| <b>180</b><br><b>*180*</b><br>QC | QC21- Final Inspection - Work Order Release | Memo | 0.00                 |         |        |              |               |               |                  | <i>MW 13-05-09</i>  |
| Quality Control                  |   |      | 0.00                 |         |        |              |               |               |                  | <i>MJ 13-05-09</i>  |

NCR: Yes / No

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

## **WORK ORDER NON-COMPLIANCE / UPDATE**

QA Closed: Date:

| Work Order: _____            |                |         | DISPOSITION                                       |  |  | AGAINST DEPARTMENT/PROCESS                                       |                                 |              |                      |                    |  |
|------------------------------|----------------|---------|---|--|--|--|---------------------------------|--------------|----------------------|--------------------|--|
|                              |                |         | Rework<br>Scrap<br>Use-as-is<br>Work Order Update | Skid-tube<br>Machining<br>Thermoforming<br>Large Fab | Crosstube<br>Small Fab<br>Finishing<br>Composite | Water Jet<br>Prod. Eng. Coor.<br>Rec/Store/Packaging<br>Supplier | Engineering<br>Quality<br>Other |              |                      |                    |  |
| Part No. _____               |                |         |   |  |  |  |                                 |              |                      |                    |  |
| NCR No. _____                |                |         |   |  |  |  |                                 |              |                      |                    |  |
| Root Cause                   | Date           | Step    | Qty   | Description of work order update or Non-conformance  | Initial Chief Eng                                | Action Description   | Sign & Date                     | Verification | QC Inspector         |                    |  |
| Doc/Data                     |                |         |   |  |  |  |                                 |              |                      |                    |  |
| Equip/Tooling                |                |         |   |  |  |  |                                 |              |                      |                    |  |
| Operator                     |                |         |   |  |  |  |                                 |              |                      |                    |  |
| Material                     |                |         |   |  |  |  |                                 |              |                      |                    |  |
| Setup                        |                |         |   |  |  |  |                                 |              |                      |                    |  |
| Other                        |                |         |   |  |  |  |                                 |              |                      |                    |  |
| Process                      |                |         |   |  |  |  |                                 |              |                      |                    |  |
| Supplier                     |                |         |   |  |  |  |                                 |              |                      |                    |  |
| Training                     |                |         |   |  |  |  |                                 |              |                      |                    |  |
| Unapproved                   |                |         |   |  |  |  |                                 |              |                      |                    |  |
| FAULT CATEGORY               |                |         |   |  |  |  |                                 |              |                      |                    |  |
| Landing Gear                 |                |         |   | General  |  |  |                                 |              |                      |                    |  |
| Bending                      | General        |         |   | Grain  | General  |  |                                 | Ovalized     | Pressure/Forced      |                    |  |
| Centre Not Concentric to O/S | Bend           | General |   |  | Hardware   | General  |                                 |              | Over/Under tolerance | Temperature/Cure   |  |
| Cracks                       | BOM/Route      | General |   |  | Inspection Incomplete                            | General  |                                 |              | Part Incorrect       | Weld               |  |
| Crushed/Crimped.             | Broken/Damaged | General |   |  | Instructions Incomplete/Unclear                  | General  |                                 |              | Part Lost/Missing    | Wrong Stock Pulled |  |
| Cuffs                        | Burrs          | General |   |  | Maintenance                                      | General  |                                 |              | Part Moved           |                    |  |
| Heat Treat                   | Contamination  | General |   |  | Mislabeled                                       | General  |                                 |              | Positioned Wrong     |                    |  |
| Inspection Strip in Tube     | Countersink    | General |   |  | Misread  | General  |                                 |              | Power Loss/Surge     |                    |  |
| Ripples in Bend              | Cut Too Short  | General |   |  | Offset   | General  |                                 |              |                      |                    |  |
| Torque Waves in Extrusion    | Drill Holes    | General |   |  | Out of Calibration                               | General  |                                 |              |                      |                    |  |
| Turning Sequence             | Drawing        | General |   |  | Out of Sequence                                  | General  |                                 |              |                      |                    |  |
| Wave/Twist in Tube           | Finish         | General |   |  | Outside Dimensions                               | General  |                                 |              |                      |                    |  |
|                              | Folio          | General |   |  |  | General  |                                 |              |                      |                    |  |

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|                          |                           |                    |         |                       |         |
|--------------------------|---------------------------|--------------------|---------|-----------------------|---------|
| <b>Work Order ID:</b>    | 97656                     | <b>Start Date:</b> | 2/26/13 | <b>Required Date:</b> | 3/08/13 |
| <b>Parent Item:</b>      | D3912-041                 | <b>Start Qty:</b>  | 5.00    | <b>Required Qty:</b>  | 5.00    |
| <b>Parent Item Name:</b> | Eyebolt Receiver Assembly |                    |         |                       |         |

**Comments:** IPP RevA: new issue DD 09.11.18 verified by:EC IPP Rev:B 10.06.10 memo in seq110 \*\*\*IF PLUNGER GOES IN TO DEEP, INSTALL A WASHER (AN960C516L) IF NECESSARY BETWEEN PLUNGER AND D3912-1. YOU MAY HAVE TO ENLARGE WASHER HOLE FOR IT TO FIT\*\*\* DD verf:JLM IPP REV:C AS PER REV B 10-08-05 JLM  
VERIFIED:DD

| Component Item ID/<br>Item Name | Replacement<br>Item ID | Mfg/<br>Purch | Bin<br>Item | Primary<br>Location | Last<br>Location | Route<br>Seq ID | Unit of<br>Measure | Qty on<br>Hand | Qty per Kit     | Total<br>Qty | Qty<br>Issued | Date<br>Issued | Status |
|---------------------------------|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|-----------------|--------------|---------------|----------------|--------|
| NAS1149C0663R<br>Washer         |                        | Purchased     | No          |                     |                  |                 | Each               | 75.0000        |                 | 5            | 5             | 3/05/08        |        |
|                                 |                        |               |             | <u>Location</u>     |                  |                 | <u>Loc Qty</u>     |                | <u>Loc Code</u> |              |               |                |        |
|                                 |                        |               |             | ST292               |                  |                 | 75                 |                |                 |              |               |                |        |
|                                 |                        |               |             |                     | 116893           |                 | 75                 |                |                 |              |               |                |        |
| D3912-1<br>Eyebolt              |                        | Manufactured  | No          |                     |                  |                 | 100                | Each           | 32.0000         | 1            | 5             | 3/04/12        |        |
|                                 |                        |               |             | <u>Location</u>     |                  |                 | <u>Loc Qty</u>     |                | <u>Loc Code</u> |              |               |                |        |
|                                 |                        |               |             | ST144               |                  |                 | 32                 |                |                 |              |               |                |        |
|                                 |                        |               |             |                     | 77073            |                 | 2                  |                |                 |              |               |                |        |
|                                 |                        |               |             |                     | 92638            |                 | 13                 |                |                 |              |               |                |        |
|                                 |                        |               |             |                     | 93713            |                 | 17                 |                |                 |              |               |                |        |
| D3912-3<br>Eyebolt Block        |                        | Manufactured  | No          |                     |                  |                 | 100                | Each           | 45.0000         | 2            | 10            | 3/04/12        |        |
|                                 |                        |               |             | <u>Location</u>     |                  |                 | <u>Loc Qty</u>     |                | <u>Loc Code</u> |              |               |                |        |
|                                 |                        |               |             | ST144               |                  |                 | 45                 |                |                 |              |               |                |        |
|                                 |                        |               |             |                     | 88265            |                 | 7                  |                |                 |              |               |                |        |
|                                 |                        |               |             |                     | 90533            |                 | 8                  |                |                 |              |               |                |        |
|                                 |                        |               |             |                     | 91865            |                 | 2                  |                |                 |              |               |                |        |
|                                 |                        |               |             |                     | 92663            |                 | 12                 |                |                 |              |               |                |        |
|                                 |                        |               |             |                     | 93746            |                 | 16                 |                |                 |              |               |                |        |

B99119  
10x

NCR: Yes / No

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| Work Order: _____   |      |      | DISPOSITION                                   |  |                                       | AGAINST DEPARTMENT/PROCESS                      |   |              |              |  |  |
|---|------|------|---|--|---------------------------------------|---|---|--------------|--------------|--|--|
|   |      |      | Rework<br><input type="checkbox"/>            | Skid-tube<br><input type="checkbox"/>  | Crosstube<br><input type="checkbox"/> | Water Jet<br><input type="checkbox"/>           | Engineering<br><input type="checkbox"/> |              |              |  |  |
|   |      |      | Scrap<br><input type="checkbox"/>             | Machining<br><input type="checkbox"/>  | Small Fab<br><input type="checkbox"/> | Prod. Eng. Coor.<br><input type="checkbox"/>    | Quality<br><input type="checkbox"/>     |              |              |  |  |
|   |      |      | Use-as-is<br><input type="checkbox"/>         | Thermoforming<br><input type="checkbox"/>  | Finishing<br><input type="checkbox"/> | Rec/Store/Packaging<br><input type="checkbox"/> | Other<br><input type="checkbox"/>       |              |              |  |  |
|   |      |      | Work Order Update<br><input type="checkbox"/> | Large Fab<br><input type="checkbox"/>  | Composite<br><input type="checkbox"/> | Supplier<br><input type="checkbox"/>            |   |              |              |  |  |
| Root Cause  | Date | Step | Qty   | Description of work order update or Non-conformance  | Initial Chief Eng                     | Action Description                              | Sign & Date                             | Verification | QC Inspector |  |  |
| Doc/Data  |      |      |   |  |                                       |   |   |              |              |  |  |
| Equip/Tooling   |      |      |   |  |                                       |   |   |              |              |  |  |
| Operator  |      |      |   |  |                                       |   |   |              |              |  |  |
| Material  |      |      |   |  |                                       |   |   |              |              |  |  |
| Setup   |      |      |   |  |                                       |   |   |              |              |  |  |
| Other   |      |      |   |  |                                       |   |   |              |              |  |  |
| Process   |      |      |   |  |                                       |   |   |              |              |  |  |
| Supplier  |      |      |   |  |                                       |   |   |              |              |  |  |
| Training  |      |      |   |  |                                       |   |   |              |              |  |  |
| Unapproved  |      |      |   |  |                                       |   |   |              |              |  |  |
| FAULT CATEGORY  |      |      |   |  |                                       |   |   |              |              |  |  |
| <b>Landing Gear</b><br><input type="checkbox"/> Bending<br><input type="checkbox"/> Centre Not Concentric to O/S<br><input type="checkbox"/> Cracks<br><input type="checkbox"/> Crushed/Crimped<br><input type="checkbox"/> Cuffs<br><input type="checkbox"/> Heat Treat<br><input type="checkbox"/> Inspection Strip in Tube<br><input type="checkbox"/> Ripples in Bend<br><input type="checkbox"/> Torque Waves in Extrusion<br><input type="checkbox"/> Turning Sequence<br><input type="checkbox"/> Wave/Twist in Tube |      |      |   | <b>General</b><br><input type="checkbox"/> Bend<br><input type="checkbox"/> BOM/Route<br><input type="checkbox"/> Broken/Damaged<br><input type="checkbox"/> Burrs<br><input type="checkbox"/> Contamination<br><input type="checkbox"/> Countersink<br><input type="checkbox"/> Cut Too Short<br><input type="checkbox"/> Drill Holes<br><input type="checkbox"/> Drawing<br><input type="checkbox"/> Finish<br><input type="checkbox"/> Folio<br><input type="checkbox"/> Grain<br><input type="checkbox"/> Hardware<br><input type="checkbox"/> Inspection Incomplete<br><input type="checkbox"/> Instructions Incomplete/Unclear<br><input type="checkbox"/> Maintenance<br><input type="checkbox"/> Mislabeled<br><input type="checkbox"/> Misread<br><input type="checkbox"/> Offset<br><input type="checkbox"/> Out of Calibration<br><input type="checkbox"/> Out of Sequence<br><input type="checkbox"/> Outside Dimensions |                                       |   |   |              |              |  |  |
|   |      |      |   | <input type="checkbox"/> Ovalized<br><input type="checkbox"/> Over/Under tolerance<br><input type="checkbox"/> Part Incorrect<br><input type="checkbox"/> Part Lost/Missing<br><input type="checkbox"/> Part Moved<br><input type="checkbox"/> Positioned Wrong<br><input type="checkbox"/> Power Loss/Surge<br><input type="checkbox"/> Other   |                                       |   |   |              |              |  |  |
|   |      |      |   | <input type="checkbox"/> Pressure/Forced<br><input type="checkbox"/> Temperature/Cure<br><input type="checkbox"/> Weld<br><input type="checkbox"/> Wrong Stock Pulled  |                                       |   |   |              |              |  |  |

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**Work Order ID:** 97656

**Parent Item:** D3912-041

**Parent Item Name:** Eyebolt Receiver Assembly

**Start Date:** 2/26/13

**Required Date:** 3/08/13

D3912-5  
Eyebolt Plate

Manufactured

No

100

Each

36.0000

2

10

*EBS/3/04/13*

**Start Qty:** 5.00

**Required Qty:** 5.00

| <u>Location</u> | <u>Loc Qty</u> | <u>Loc Code</u> |
|-----------------|----------------|-----------------|
|-----------------|----------------|-----------------|

|       |    |  |
|-------|----|--|
| ST144 | 24 |  |
| 83367 | 1  |  |
| 88406 | 23 |  |
| ST145 | 12 |  |
| 93796 | 12 |  |

D3801-1  
Hand Retractable Spring Plunger

Manufactured

No

Each

20.0000

5

*EBS/3/05/08*

| <u>Location</u> | <u>Loc Qty</u> | <u>Loc Code</u> |
|-----------------|----------------|-----------------|
|-----------------|----------------|-----------------|

|       |    |  |
|-------|----|--|
| GA    | 2  |  |
| 82615 | 2  |  |
| ST066 | 18 |  |
| 75178 | 11 |  |
| 93789 | 7  |  |

MS20615-4M20  
RIVET

Purchased

No

100

Each

223.0000

8

40

*EBS/3/05/08*

| <u>Location</u> | <u>Loc Qty</u> | <u>Loc Code</u> |
|-----------------|----------------|-----------------|
| GA              | 223            |                 |
| 119546          | 26             |                 |
| 120644          | 7              |                 |
| 121339          | 9              |                 |
| 121463          | 32             |                 |
| 122807          | 149            |                 |

MS21209-F615  
Heli-Coil

Purchased

No

Each

12.0000

5

*EBS/3/05/08*

| <u>Location</u> | <u>Loc Qty</u> | <u>Loc Code</u> |
|-----------------|----------------|-----------------|
| GA              | 12             |                 |
| 121561          | 12             |                 |

NCR: Yes / No

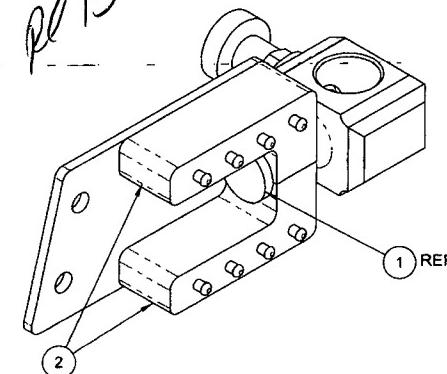
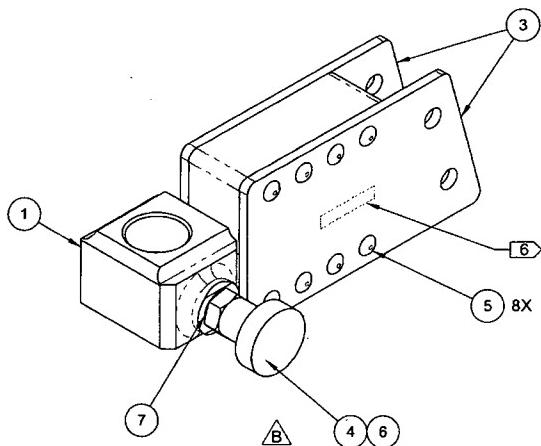
DQA: \_\_\_\_\_ Date: \_\_\_\_\_

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| Work Order: _____   |      |      | DISPOSITION                                   |  |                                       | AGAINST DEPARTMENT/PROCESS                      |   |              |              |  |  |
|---|------|------|---|--|---------------------------------------|---|---|--------------|--------------|--|--|
|   |      |      | Rework<br><input type="checkbox"/>            | Skid-tube<br><input type="checkbox"/>  | Crosstube<br><input type="checkbox"/> | Water Jet<br><input type="checkbox"/>           | Engineering<br><input type="checkbox"/> |              |              |  |  |
|   |      |      | Scrap<br><input type="checkbox"/>             | Machining<br><input type="checkbox"/>  | Small Fab<br><input type="checkbox"/> | Prod. Eng. Coor.<br><input type="checkbox"/>    | Quality<br><input type="checkbox"/>     |              |              |  |  |
|   |      |      | Use-as-is<br><input type="checkbox"/>         | Thermoforming<br><input type="checkbox"/>  | Finishing<br><input type="checkbox"/> | Rec/Store/Packaging<br><input type="checkbox"/> | Other<br><input type="checkbox"/>       |              |              |  |  |
|   |      |      | Work Order Update<br><input type="checkbox"/> | Large Fab<br><input type="checkbox"/>  | Composite<br><input type="checkbox"/> | Supplier<br><input type="checkbox"/>            |   |              |              |  |  |
| Root Cause  | Date | Step | Qty   | Description of work order update or Non-conformance  | Initial Chief Eng                     | Action Description                              | Sign & Date                             | Verification | QC Inspector |  |  |
| Doc/Data  |      |      |   |  |                                       |   |   |              |              |  |  |
| Equip/Tooling   |      |      |   |  |                                       |   |   |              |              |  |  |
| Operator  |      |      |   |  |                                       |   |   |              |              |  |  |
| Material  |      |      |   |  |                                       |   |   |              |              |  |  |
| Setup   |      |      |   |  |                                       |   |   |              |              |  |  |
| Other   |      |      |   |  |                                       |   |   |              |              |  |  |
| Process   |      |      |   |  |                                       |   |   |              |              |  |  |
| Supplier  |      |      |   |  |                                       |   |   |              |              |  |  |
| Training  |      |      |   |  |                                       |   |   |              |              |  |  |
| Unapproved  |      |      |   |  |                                       |   |   |              |              |  |  |
| FAULT CATEGORY  |      |      |   |  |                                       |   |   |              |              |  |  |
| <b>Landing Gear</b><br><input type="checkbox"/> Bending<br><input type="checkbox"/> Centre Not Concentric to O/S<br><input type="checkbox"/> Cracks<br><input type="checkbox"/> Crushed/Crimped<br><input type="checkbox"/> Cuffs<br><input type="checkbox"/> Heat Treat<br><input type="checkbox"/> Inspection Strip in Tube<br><input type="checkbox"/> Ripples in Bend<br><input type="checkbox"/> Torque Waves in Extrusion<br><input type="checkbox"/> Turning Sequence<br><input type="checkbox"/> Wave/Twist in Tube |      |      |   | <b>General</b><br><input type="checkbox"/> Bend<br><input type="checkbox"/> BOM/Route<br><input type="checkbox"/> Broken/Damaged<br><input type="checkbox"/> Burrs<br><input type="checkbox"/> Contamination<br><input type="checkbox"/> Countersink<br><input type="checkbox"/> Cut Too Short<br><input type="checkbox"/> Drill Holes<br><input type="checkbox"/> Drawing<br><input type="checkbox"/> Finish<br><input type="checkbox"/> Folio<br><input type="checkbox"/> Grain<br><input type="checkbox"/> Hardware<br><input type="checkbox"/> Inspection Incomplete<br><input type="checkbox"/> Instructions Incomplete/Unclear<br><input type="checkbox"/> Maintenance<br><input type="checkbox"/> Mislabeled<br><input type="checkbox"/> Misread<br><input type="checkbox"/> Offset<br><input type="checkbox"/> Out of Calibration<br><input type="checkbox"/> Out of Sequence<br><input type="checkbox"/> Outside Dimensions |                                       |   |   |              |              |  |  |
|   |      |      |   | <input type="checkbox"/> Ovalized<br><input type="checkbox"/> Over/Under tolerance<br><input type="checkbox"/> Part Incorrect<br><input type="checkbox"/> Part Lost/Missing<br><input type="checkbox"/> Part Moved<br><input type="checkbox"/> Positioned Wrong<br><input type="checkbox"/> Power Loss/Surge<br><input type="checkbox"/> Other   |                                       |   |   |              |              |  |  |
|   |      |      |   | <input type="checkbox"/> Pressure/Forced<br><input type="checkbox"/> Temperature/Cure<br><input type="checkbox"/> Weld<br><input type="checkbox"/> Wrong Stock Pulled  |                                       |   |   |              |              |  |  |

| ITEM | QTY | P/N           | DESCRIPTION           |
|------|-----|---------------|-----------------------|
|      |     | X D3912-041   | EYEBOLT RECEIVER ASSY |
| 1    | 1   | D3912-1       | EYEBOLT               |
| 2    | 2   | D3912-3       | EYEBOLT BLOCK         |
| 3    | 2   | D3912-5       | EYEBOLT PLATE         |
| 4    | 1   | D3801-1       | SPRING PLUNGER        |
| 5    | 8   | MS20815-4M20  | RIVET                 |
| 6    | 1   | MS21209-F615  | HELICAL               |
| 7    | 1   | NAS1149F0332P | WASHER                |



SUPPLEMENTAL ISO VIEW  
(EYEBOLT PLATE REMOVED  
TO SHOW INTERIOR FEATURES)

RELEASED  
2010-07-16  
*[Handwritten signature]*

### D3912-041 EYEBOLT RECEIVER ASSY

A NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N D3912-041 USING FINE POINT PERMANENT INK MARKER
- 7) WEIGHT -041: 1.58 lbs

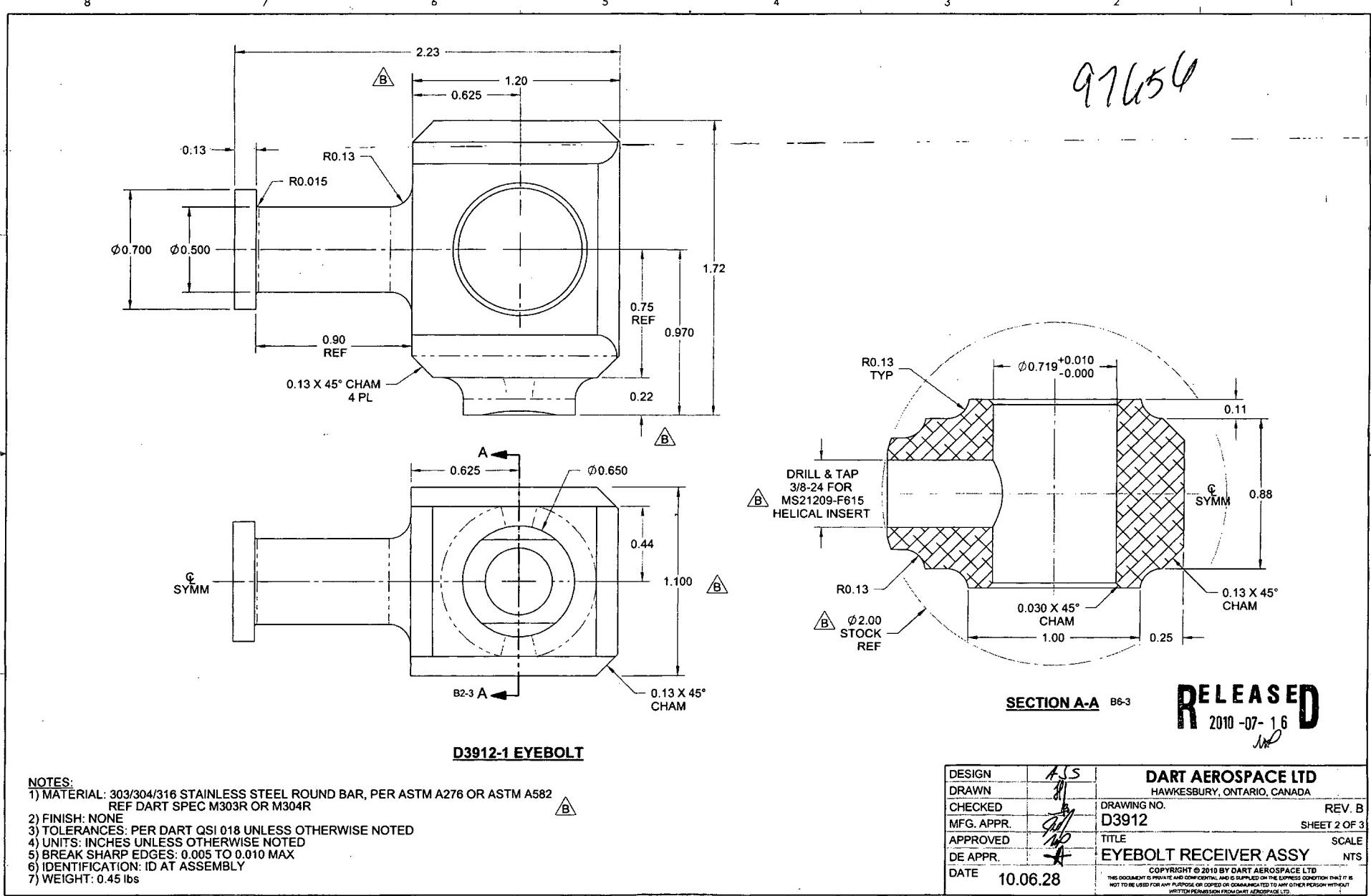
|            |  |   |              |
|------------|--|---|--------------|
| B          | D3801-1 WAS D3810-1 SPRING PLUNGER; D4028-041 RMV; MS21209-F615 WAS MS21209-C610 HELICAL; (1) WASHER NAS1149C0663R ADDED; BOSS ADDED TO D3912-1. | JPH   | 10.06.28     |
| A          | NEW ISSUE  | JPH   | 10.03.04     |
| REV.       | DESCRIPTION  | BY  | DATE         |
| DESIGN     | <i>AS</i>  | DART AEROSPACE LTD  |              |
| DRAWN      | <i>AS</i>  | HAWKESBURY, ONTARIO, CANADA   |              |
| CHECKED    | <i>AS</i>  | DRAWING NO.   | REV. B       |
| MFG. APPR. | <i>AS</i>  | D3912   | SHEET 1 OF 3 |
| APPROVED   | <i>AS</i>  | TITLE   | SCALE        |
| DE APPR.   | <i>AS</i>  | EYEBOLT RECEIVER ASSY   | NTS          |
| DATE       | 10.06.28   | COPYRIGHT © 2010 BY DART AEROSPACE LTD.<br>THIS DOCUMENT IS THE PROPERTY OF DART AEROSPACE LTD. IT IS RESTRICTED BY LAW FROM DISSEMINATION THAT IT IS<br>NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT<br>WRITTEN PERMISSION FROM DART AEROSPACE, LTD. |              |

NCR: Yes / No

DQA: Date:

## **WORK ORDER NON-COMPLIANCE / UPDATE**

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_



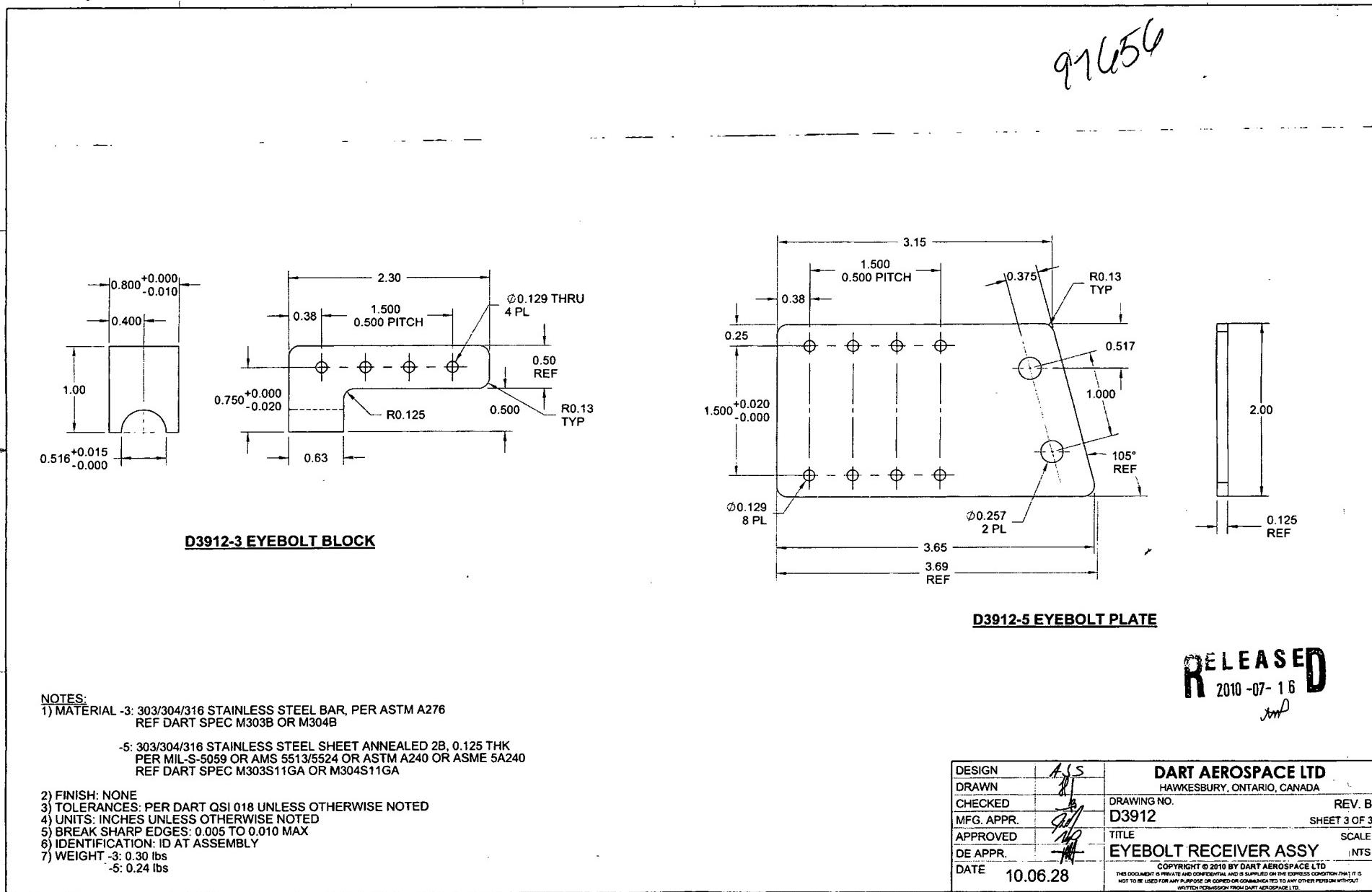
NCR: Yes / No

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| Work Order: _____  |      |      | DISPOSITION   |  |  | AGAINST DEPARTMENT/PROCESS   |   |              |              |  |  |  |  |
|--|------|------|---|--|--|--|---|--------------|--------------|--|--|--|--|
|  |      |      | Rework<br><input type="checkbox"/><br>Scrap<br><input type="checkbox"/><br>Use-as-is<br><input type="checkbox"/><br>Work Order Update<br><input type="checkbox"/> | Skid-tube<br><input type="checkbox"/><br>Machining<br><input type="checkbox"/><br>Thermoforming<br><input type="checkbox"/><br>Large Fab<br><input type="checkbox"/>   | Crosstube<br><input type="checkbox"/><br>Small Fab<br><input type="checkbox"/><br>Finishing<br><input type="checkbox"/><br>Composite<br><input type="checkbox"/> | Water Jet<br><input type="checkbox"/><br>Prod. Eng. Coor.<br><input type="checkbox"/><br>Rec/Store/Packaging<br><input type="checkbox"/><br>Supplier<br><input type="checkbox"/> | Engineering<br><input type="checkbox"/><br>Quality<br><input type="checkbox"/><br>Other<br><input type="checkbox"/> |              |              |  |  |  |  |
| Root Cause   | Date | Step | Qty   | Description of work order update or Non-conformance  | Initial Chief Eng  | Action Description   | Sign & Date   | Verification | QC Inspector |  |  |  |  |
| Doc/Data<br><input type="checkbox"/><br>Equip/Tooling<br><input type="checkbox"/><br>Operator<br><input type="checkbox"/><br>Material<br><input type="checkbox"/><br>Setup<br><input type="checkbox"/><br>Other<br><input type="checkbox"/><br>Process<br><input type="checkbox"/><br>Supplier<br><input type="checkbox"/><br>Training<br><input type="checkbox"/><br>Unapproved<br><input type="checkbox"/>   |      |      |   |  |  |  |   |              |              |  |  |  |  |
| FAULT CATEGORY   |      |      |   |  |  |  |   |              |              |  |  |  |  |
| <b>Landing Gear</b><br><input type="checkbox"/> Bending<br><input type="checkbox"/> Centre Not Concentric to O/S<br><input type="checkbox"/> Cracks<br><input type="checkbox"/> Crushed/Crimped.<br><input type="checkbox"/> Cuffs<br><input type="checkbox"/> Heat Treat<br><input type="checkbox"/> Inspection Strip in Tube<br><input type="checkbox"/> Ripples in Bend<br><input type="checkbox"/> Torque Waves in Extrusion<br><input type="checkbox"/> Turning Sequence<br><input type="checkbox"/> Wave/Twist in Tube |      |      |   | <b>General</b><br><input type="checkbox"/> Bend<br><input type="checkbox"/> BOM/Route<br><input type="checkbox"/> Broken/Damaged<br><input type="checkbox"/> Burrs<br><input type="checkbox"/> Contamination<br><input type="checkbox"/> Countersink<br><input type="checkbox"/> Cut Too Short<br><input type="checkbox"/> Drill Holes<br><input type="checkbox"/> Drawing<br><input type="checkbox"/> Finish<br><input type="checkbox"/> Folio<br><input type="checkbox"/> Grain<br><input type="checkbox"/> Hardware<br><input type="checkbox"/> Inspection Incomplete<br><input type="checkbox"/> Instructions Incomplete/Unclear<br><input type="checkbox"/> Maintenance<br><input type="checkbox"/> Mislabeled<br><input type="checkbox"/> Misread<br><input type="checkbox"/> Offset<br><input type="checkbox"/> Out of Calibration<br><input type="checkbox"/> Out of Sequence<br><input type="checkbox"/> Outside Dimensions |  |  |   |              |              | <input type="checkbox"/> Ovalized<br><input type="checkbox"/> Over/Under tolerance<br><input type="checkbox"/> Part Incorrect<br><input type="checkbox"/> Part Lost/Missing<br><input type="checkbox"/> Part Moved<br><input type="checkbox"/> Positioned Wrong<br><input type="checkbox"/> Power Loss/Surge<br><input type="checkbox"/> Other |  |  |  |
|  |      |      |   |  |  |  |   |              |              |  |  |  |  |
|  |      |      |   |  |  |  |   |              |              |  |  |  |  |
|  |      |      |   |  |  |  |   |              |              |  |  |  |  |



DQA: \_\_\_\_\_ Date: \_\_\_\_\_

NCR: Yes / No

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| Work Order: _____            |      |  | DISPOSITION                                   |   |                                       | AGAINST DEPARTMENT/PROCESS                                  |                                       |   |                                       |   |                                       |  |                                       |  |  |   |                                      |   |                                     |                                   |
|------------------------------|------|--|---|---|---------------------------------------|---|---------------------------------------|---|---------------------------------------|---|---------------------------------------|--|---------------------------------------|--|--|---|--------------------------------------|---|-------------------------------------|-----------------------------------|
|                              |      |  | Rework<br><input type="checkbox"/>            | Scrap<br><input type="checkbox"/>                   | Use-as-is<br><input type="checkbox"/> | Skid-tube<br><input type="checkbox"/>                       | Machining<br><input type="checkbox"/> | Thermoforming<br><input type="checkbox"/>   | Large Fab<br><input type="checkbox"/> | Crosstube<br><input type="checkbox"/>         | Small Fab<br><input type="checkbox"/> | Finishing<br><input type="checkbox"/>  | Composite<br><input type="checkbox"/> | Water Jet<br><input type="checkbox"/>          | Prod. Eng. Coor.<br><input type="checkbox"/> | Rec/Store/Packaging<br><input type="checkbox"/> | Supplier<br><input type="checkbox"/> | Engineering<br><input type="checkbox"/> | Quality<br><input type="checkbox"/> | Other<br><input type="checkbox"/> |
| Part No. _____               |      |  | Work Order Update<br><input type="checkbox"/> |   |                                       |   |                                       |   |                                       |   |                                       |  |                                       |  |  |   |                                      |   |                                     |                                   |
| NCR No. _____                |      |  |   |   |                                       |   |                                       |   |                                       |   |                                       |  |                                       |  |  |   |                                      |   |                                     |                                   |
| Root Cause                   | Date | Step                                       | Qty   | Description of work order update or Non-conformance |                                       |   | Initial Chief Eng                     | Action Description                          |                                       |   | Sign & Date                           | Verification                           |                                       | QC Inspector                                   |  |   |                                      |   |                                     |                                   |
| Doc/Data                     |      |  |   |   |                                       |   |                                       |   |                                       |   |                                       |  |                                       |  |  |   |                                      |   |                                     |                                   |
| Equip/Tooling                |      |  |   |   |                                       |   |                                       |   |                                       |   |                                       |  |                                       |  |  |   |                                      |   |                                     |                                   |
| Operator                     |      |  |   |   |                                       |   |                                       |   |                                       |   |                                       |  |                                       |  |  |   |                                      |   |                                     |                                   |
| Material                     |      |  |   |   |                                       |   |                                       |   |                                       |   |                                       |  |                                       |  |  |   |                                      |   |                                     |                                   |
| Setup                        |      |  |   |   |                                       |   |                                       |   |                                       |   |                                       |  |                                       |  |  |   |                                      |   |                                     |                                   |
| Other                        |      |  |   |   |                                       |   |                                       |   |                                       |   |                                       |  |                                       |  |  |   |                                      |   |                                     |                                   |
| Process                      |      |  |   |   |                                       |   |                                       |   |                                       |   |                                       |  |                                       |  |  |   |                                      |   |                                     |                                   |
| Supplier                     |      |  |   |   |                                       |   |                                       |   |                                       |   |                                       |  |                                       |  |  |   |                                      |   |                                     |                                   |
| Training                     |      |  |   |   |                                       |   |                                       |   |                                       |   |                                       |  |                                       |  |  |   |                                      |   |                                     |                                   |
| Unapproved                   |      |  |   |   |                                       |   |                                       |   |                                       |   |                                       |  |                                       |  |  |   |                                      |   |                                     |                                   |
| FAULT CATEGORY               |      |  |   |   |                                       |   |                                       |   |                                       |   |                                       |  |                                       |  |  |   |                                      |   |                                     |                                   |
| Landing Gear                 |      |  |   | General   |                                       |   |                                       |   |                                       |   |                                       |  |                                       |  |  |   |                                      |   |                                     |                                   |
| Bending                      |      | Bend<br><input type="checkbox"/>           |   | Grain<br><input type="checkbox"/>                   |                                       | Ovalized<br><input type="checkbox"/>                        |                                       | Pressure/Forced<br><input type="checkbox"/> |                                       | Temperature/Cure<br><input type="checkbox"/>  |                                       | Weld<br><input type="checkbox"/>       |                                       | Wrong Stock Pulled<br><input type="checkbox"/> |  |   |                                      |   |                                     |                                   |
| Centre Not Concentric to O/S |      | BOM/Route<br><input type="checkbox"/>      |   | Hardware<br><input type="checkbox"/>                |                                       | Over/Under tolerance<br><input type="checkbox"/>            |                                       | Part Incorrect<br><input type="checkbox"/>  |                                       | Part Lost/Missing<br><input type="checkbox"/> |                                       | Part Moved<br><input type="checkbox"/> |                                       | Positioned Wrong<br><input type="checkbox"/>   |  |   |                                      |   |                                     |                                   |
| Cracks                       |      | Broken/Damaged<br><input type="checkbox"/> |   | Inspection Incomplete<br><input type="checkbox"/>   |                                       | Instructions Incomplete/Unclear<br><input type="checkbox"/> |                                       | Maintenance<br><input type="checkbox"/>     |                                       | Mislabeled<br><input type="checkbox"/>        |                                       | Misread<br><input type="checkbox"/>    |                                       | Power Loss/Surge<br><input type="checkbox"/>   |  |   |                                      |   |                                     |                                   |
| Crushed/Crimped.             |      | Burrs<br><input type="checkbox"/>          |   |   |                                       | Offset<br><input type="checkbox"/>                          |                                       |   |                                       |   |                                       |  |                                       | Other<br><input type="checkbox"/>              |  |   |                                      |   |                                     |                                   |
| Cuffs                        |      | Contamination<br><input type="checkbox"/>  |   |   |                                       | Out of Calibration<br><input type="checkbox"/>              |                                       |   |                                       |   |                                       |  |                                       |  |  |   |                                      |   |                                     |                                   |
| Heat Treat                   |      | Countersink<br><input type="checkbox"/>    |   |   |                                       | Out of Sequence<br><input type="checkbox"/>                 |                                       |   |                                       |   |                                       |  |                                       |  |  |   |                                      |   |                                     |                                   |
| Inspection Strip in Tube     |      | Cut Too Short<br><input type="checkbox"/>  |   |   |                                       | Outside Dimensions<br><input type="checkbox"/>              |                                       |   |                                       |   |                                       |  |                                       |  |  |   |                                      |   |                                     |                                   |
| Ripples in Bend              |      | Drill Holes<br><input type="checkbox"/>    |   |   |                                       |   |                                       |   |                                       |   |                                       |  |                                       |  |  |   |                                      |   |                                     |                                   |
| Torque Waves in Extrusion    |      | Drawing<br><input type="checkbox"/>        |   |   |                                       |   |                                       |   |                                       |   |                                       |  |                                       |  |  |   |                                      |   |                                     |                                   |
| Turning Sequence             |      | Finish<br><input type="checkbox"/>         |   |   |                                       |   |                                       |   |                                       |   |                                       |  |                                       |  |  |   |                                      |   |                                     |                                   |
| Wave/Twist in Tube           |      | Folio<br><input type="checkbox"/>          |   |   |                                       |   |                                       |   |                                       |   |                                       |  |                                       |  |  |   |                                      |   |                                     |                                   |